



LEGEND

A – Not Required

B – Not Required

C - Center Vertical Face

D - Horizontal Layer

Not required

Not required

Barrell, R. To: Wall

H - Parallel To Wall

CORNER: L – Corner Horizontal layer, wall

WS = 6" Nonmetallic Water Stop.

CJ = Construction Joint

- NOTES:
- GENERAL
1. $f_c' = 4000$ PSI $f_c'' = 1600$ PSI $f_s = 24,000$ PSI $f_y = 60,000$ PSI
 2. The weight of the manure with bedding and free stall manure was assumed as 45 and 60 pcf respectively.

STEEL

3. The 8" sidewall and 9" floor shall have two rows of steel.
4. All steel placed in the 8" sidewall and 9" floor shall have a minimum concrete cover over reinforcement of two inches, except when the concrete is deposited on or against the earth, then the minimum concrete cover shall be three inches.

WALL

5. The manure pit walls will withstand 60 pcf/ft. of fluid pressure.
6. The backfill loading was assumed to be 60 pcf/ft of equivalent pressure.
7. The wall will be built with expansion joints (see Expansion Joint Detail -Wall). No section of wall will be over 30' long between expansion joint.
8. Opening in wall will be installed as shown on the plan.

FLOOR

9. The 5" floor slab shall be constructed by the following method: Place concrete on top of 6 inch layer of coarse gravel or crushed rock. Use number 4 bars @ 15" spacing each way. Concrete cover for steel placed against earth shall be 3" minimum.

